

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number:

10/593,349

Source:

IFNP

Date Processed by STIC:

10/2/06

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/593,349

CRF Edit Date: 10/2/06
Edited by: JCL

— Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

— Corrected the SEQ ID NO. Sequence numbers edited were:

— Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

— Deleted: ✓ invalid beginning/end-of-file text ; page numbers

— Inserted mandatory headings/numeric identifiers, specifically:

— Moved responses to same line as heading/numeric identifier, specifically:

— Other:



IFWP

RAW SEQUENCE LISTING DATE: 10/02/2006
 PATENT APPLICATION: US/10/593,349 TIME: 15:47:12

Input Set : A:\pto.kd.txt
 Output Set: N:\CRF4\10022006\J593349.raw

```

3 <110> APPLICANT: Kawase, Mitsuo
4     Yoshida, Yasuko
5     Yamada, Kazunari
6     Takarada, Yutaka
7     Hashimoto, Kouzo
9 <120> TITLE OF INVENTION: DNA Array and Method for Detecting Single Nucleotide
Polymorphism
11 <130> FILE REFERENCE: 129422
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/593,349
C--> 14 <141> CURRENT FILING DATE: 2006-09-19
16 <160> NUMBER OF SEQ ID NOS: 52
18 <170> SOFTWARE: PatentIn version 3.3
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 25
22 <212> TYPE: DNA
23 <213> ORGANISM: Artificial
25 <220> FEATURE:
26 <223> OTHER INFORMATION: synthetic oligonucleotide probe
28 <400> SEQUENCE: 1
29 ggcacatcacgt ccgtggcctt ctcccc                                25
32 <210> SEQ ID NO: 2
33 <211> LENGTH: 24
34 <212> TYPE: DNA
35 <213> ORGANISM: Artificial
37 <220> FEATURE:
38 <223> OTHER INFORMATION: synthetic oligonucleotide probe
40 <400> SEQUENCE: 2
41 gcatcacgtc cgtggccttc tcccc                                24
44 <210> SEQ ID NO: 3
45 <211> LENGTH: 23
46 <212> TYPE: DNA
47 <213> ORGANISM: Artificial
49 <220> FEATURE:
50 <223> OTHER INFORMATION: synthetic oligonucleotide probe
52 <400> SEQUENCE: 3
53 gcatcacgtc cgtggccttc tcc                                23
56 <210> SEQ ID NO: 4
57 <211> LENGTH: 22
58 <212> TYPE: DNA
59 <213> ORGANISM: Artificial
61 <220> FEATURE:
62 <223> OTHER INFORMATION: synthetic oligonucleotide probe
64 <400> SEQUENCE: 4
65 catcacgtcc gtggccttct cc                                22
  
```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/593,349

DATE: 10/02/2006

TIME: 15:47:12

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\10022006\J593349.raw

68 <210> SEQ ID NO: 5
 69 <211> LENGTH: 21
 70 <212> TYPE: DNA
 71 <213> ORGANISM: Artificial
 73 <220> FEATURE:
 74 <223> OTHER INFORMATION: synthetic oligonucleotide probe
 76 <400> SEQUENCE: 5
 77 catcacgtcc gtggccttct c 21
 80 <210> SEQ ID NO: 6
 81 <211> LENGTH: 20
 82 <212> TYPE: DNA
 83 <213> ORGANISM: Artificial
 85 <220> FEATURE:
 86 <223> OTHER INFORMATION: synthetic oligonucleotide probe
 88 <400> SEQUENCE: 6
 89 atcacgtccg tggccttctc 20
 92 <210> SEQ ID NO: 7
 93 <211> LENGTH: 19
 94 <212> TYPE: DNA
 95 <213> ORGANISM: Artificial
 97 <220> FEATURE:
 98 <223> OTHER INFORMATION: synthetic oligonucleotide probe
 100 <400> SEQUENCE: 7
 101 atcacgtccg tggccttct 19
 104 <210> SEQ ID NO: 8
 105 <211> LENGTH: 18
 106 <212> TYPE: DNA
 107 <213> ORGANISM: Artificial
 109 <220> FEATURE:
 110 <223> OTHER INFORMATION: synthetic oligonucleotide probe
 112 <400> SEQUENCE: 8
 113 tcacgtccgt ggccttct 18
 116 <210> SEQ ID NO: 9
 117 <211> LENGTH: 25
 118 <212> TYPE: DNA
 119 <213> ORGANISM: Artificial
 121 <220> FEATURE:
 122 <223> OTHER INFORMATION: synthetic oligonucleotide probe
 124 <400> SEQUENCE: 9
 125 ggcacgtacgt ctgtggcctt ctccc 25
 128 <210> SEQ ID NO: 10
 129 <211> LENGTH: 24
 130 <212> TYPE: DNA
 131 <213> ORGANISM: Artificial
 133 <220> FEATURE:
 134 <223> OTHER INFORMATION: synthetic oligonucleotide probe
 136 <400> SEQUENCE: 10
 137 gcatcacgtc tgtggccttc tccc 24
 140 <210> SEQ ID NO: 11

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/593,349

DATE: 10/02/2006

TIME: 15:47:12

Input Set : A:\pto.kd.txt
 Output Set: N:\CRF4\10022006\J593349.raw

```

141 <211> LENGTH: 23
142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial
145 <220> FEATURE:
146 <223> OTHER INFORMATION: synthetic oligonucleotide probe
148 <400> SEQUENCE: 11
149 gcatcacgtc tgtggccttc tcc                                23
152 <210> SEQ ID NO: 12
153 <211> LENGTH: 22
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial
157 <220> FEATURE:
158 <223> OTHER INFORMATION: synthetic oligonucleotide probe
160 <400> SEQUENCE: 12
161 catcacgtct gtggccttct cc                                22
164 <210> SEQ ID NO: 13
165 <211> LENGTH: 21
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial
169 <220> FEATURE:
170 <223> OTHER INFORMATION: synthetic oligonucleotide probe
172 <400> SEQUENCE: 13
173 catcacgtct gtggccttct c                                21
176 <210> SEQ ID NO: 14
177 <211> LENGTH: 20
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial
181 <220> FEATURE:
182 <223> OTHER INFORMATION: synthetic oligonucleotide probe
184 <400> SEQUENCE: 14
185 atcacgtctg tggccttctc                                20
188 <210> SEQ ID NO: 15
189 <211> LENGTH: 19
190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial
193 <220> FEATURE:
194 <223> OTHER INFORMATION: synthetic oligonucleotide probe
196 <400> SEQUENCE: 15
197 atcacgtctg tggccttct                                19
200 <210> SEQ ID NO: 16
201 <211> LENGTH: 18
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial
205 <220> FEATURE:
206 <223> OTHER INFORMATION: synthetic oligonucleotide probe
208 <400> SEQUENCE: 16
209 tcacgtctgt ggccttct                                18
212 <210> SEQ ID NO: 17
213 <211> LENGTH: 25

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/593,349

DATE: 10/02/2006

TIME: 15:47:12

Input Set : A:\pto.kd.txt
Output Set: N:\CRF4\10022006\J593349.raw

214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial
217 <220> FEATURE:
218 <223> OTHER INFORMATION: synthetic oligonucleotide probe
220 <400> SEQUENCE: 17
221 gtctgcggga gccgatttca tcatc 25
224 <210> SEQ ID NO: 18
225 <211> LENGTH: 24
226 <212> TYPE: DNA
227 <213> ORGANISM: Artificial
229 <220> FEATURE:
230 <223> OTHER INFORMATION: synthetic oligonucleotide probe
232 <400> SEQUENCE: 18
233 gtctgcggga gccgatttca tcat 24
236 <210> SEQ ID NO: 19
237 <211> LENGTH: 23
238 <212> TYPE: DNA
239 <213> ORGANISM: Artificial
241 <220> FEATURE:
242 <223> OTHER INFORMATION: synthetic oligonucleotide probe
244 <400> SEQUENCE: 19
245 tctgcgggag ccgattttcat cat 23
248 <210> SEQ ID NO: 20
249 <211> LENGTH: 22
250 <212> TYPE: DNA
251 <213> ORGANISM: Artificial
253 <220> FEATURE:
254 <223> OTHER INFORMATION: synthetic oligonucleotide probe
256 <400> SEQUENCE: 20
257 tctgcgggag ccgattttcat ca 22
260 <210> SEQ ID NO: 21
261 <211> LENGTH: 21
262 <212> TYPE: DNA
263 <213> ORGANISM: Artificial
265 <220> FEATURE:
266 <223> OTHER INFORMATION: synthetic oligonucleotide probe
268 <400> SEQUENCE: 21
269 ctgcgggagc cgattttcatc a 21
272 <210> SEQ ID NO: 22
273 <211> LENGTH: 20
274 <212> TYPE: DNA
275 <213> ORGANISM: Artificial
277 <220> FEATURE:
278 <223> OTHER INFORMATION: synthetic oligonucleotide probe
280 <400> SEQUENCE: 22
281 ctgcgggagc cgattttcatc 20
284 <210> SEQ ID NO: 23
285 <211> LENGTH: 19
286 <212> TYPE: DNA

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/593,349

DATE: 10/02/2006
 TIME: 15:47:12

Input Set : A:\pto.kd.txt
 Output Set: N:\CRF4\10022006\J593349.raw

```

287 <213> ORGANISM: Artificial
289 <220> FEATURE:
290 <223> OTHER INFORMATION: synthetic oligonucleotide probe
292 <400> SEQUENCE: 23
293 tgcgggagcc gatttcatc                                         19
296 <210> SEQ ID NO: 24
297 <211> LENGTH: 18
298 <212> TYPE: DNA
299 <213> ORGANISM: Artificial
301 <220> FEATURE:
302 <223> OTHER INFORMATION: synthetic oligonucleotide probe
304 <400> SEQUENCE: 24
305 tgcgggagcc gatttcat                                         18
308 <210> SEQ ID NO: 25
309 <211> LENGTH: 25
310 <212> TYPE: DNA
311 <213> ORGANISM: Artificial
313 <220> FEATURE:
314 <223> OTHER INFORMATION: synthetic oligonucleotide probe
316 <400> SEQUENCE: 25
317 gtctgcggga gtcgattca tcatac                                         25
320 <210> SEQ ID NO: 26
321 <211> LENGTH: 24
322 <212> TYPE: DNA
323 <213> ORGANISM: Artificial
325 <220> FEATURE:
326 <223> OTHER INFORMATION: synthetic oligonucleotide probe
328 <400> SEQUENCE: 26
329 gtctgcggga gtcgattca tcata                                         24
332 <210> SEQ ID NO: 27
333 <211> LENGTH: 23
334 <212> TYPE: DNA
335 <213> ORGANISM: Artificial
337 <220> FEATURE:
338 <223> OTHER INFORMATION: synthetic oligonucleotide probe
340 <400> SEQUENCE: 27
341 tctgcgggag tcgatttcat cat                                         23
344 <210> SEQ ID NO: 28
345 <211> LENGTH: 22
346 <212> TYPE: DNA
347 <213> ORGANISM: Artificial
349 <220> FEATURE:
350 <223> OTHER INFORMATION: synthetic oligonucleotide probe
352 <400> SEQUENCE: 28
353 tctgcgggag tcgatttcat ca                                         22
356 <210> SEQ ID NO: 29
357 <211> LENGTH: 21
358 <212> TYPE: DNA
359 <213> ORGANISM: Artificial

```

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 10/02/2006
PATENT APPLICATION: US/10/593,349 TIME: 15:47:13

Input Set : A:\pto.kd.txt
Output Set: N:\CRF4\10022006\J593349.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27
Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51
Seq#:52

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/593,349

DATE: 10/02/2006

TIME: 15:47:13

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\10022006\J593349.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date

**Raw Sequence Listing before editing
(for reference only)**



IFWP

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/593,349

DATE: 09/27/2006
TIME: 10:18:47

Input Set : A:\129422 seq.txt
Output Set: N:\CRF4\09272006\J593349.raw

3 <110> APPLICANT: Kawase, Mitsuo
 4 Yoshida, Yasuko
 5 Yamada, Kazunari
 6 Takarada, Yutaka
 7 Hashimoto, Kouzo
 9 <120> TITLE OF INVENTION: DNA Array and Method for Detecting Single Nucleotide Polymorphism
 11 <130> FILE REFERENCE: 129422
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/593,349
 C--> 14 <141> CURRENT FILING DATE: 2006-09-19
 16 <160> NUMBER OF SEQ ID NOS: 52
 18 <170> SOFTWARE: PatentIn version 3.3

Do Not Comply
 Corrected Diskette Needed
 (pg. 1)

ERRORED SEQUENCES

632 <210> SEQ ID NO: 52
 633 <211> LENGTH: 31
 634 <212> TYPE: DNA
 635 <213> ORGANISM: Artificial
 637 <220> FEATURE:
 638 <223> OTHER INFORMATION: synthetic oligonucleotide probe
 640 <400> SEQUENCE: 52
 641 ttttaggat tgtaaggcacc ccctgaatcc a
 E--> 649 11

31

Deleted

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 09/27/2006
PATENT APPLICATION: US/10/593,349 TIME: 10:18:48

Input Set : A:\129422 seq.txt
Output Set: N:\CRF4\09272006\J593349.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27
Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51
Seq#:52

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/593,349

DATE: 09/27/2006

TIME: 10:18:48

Input Set : A:\129422 seq.txt

Output Set: N:\CRF4\09272006\J593349.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:649 M:254 E: No. of Bases conflict, this line has no nucleotides.